

Training and Evaluation Outline Report

Status: Approved

20 Apr 2015

Effective Date: 13 Sep 2016

Task Number: 71-8-3501

Task Title: Coordinate Electronic Warfare (Brigade - Corps)

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD1 - This training product has been reviewed by the training developers in coordination with the Fort Leavenworth foreign disclosure officer. This training product can be used to instruct international military students from all approved countries without restrictions.

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	AR 525-22	ELECTRONIC WARFARE (EW) POLICY (U)	Yes	No
	FM 3-36	Electronic Warfare in Operations	Yes	Yes
	JP 3-13.1	Electronic Warfare	Yes	No

Conditions: The command receives a mission order from higher headquarters and the commander issues guidance on coordinating electronic warfare. The command establishes communications with subordinate and adjacent units and higher headquarters. The mission command system is operational and processing information. Some iterations of this task should be performed in MOPP 4.

Standards: The staff coordinates the integration and de-confliction of electronic warfare operations with other warfighting functions and then monitors the progress of electronic warfare operations and assesses the situation in accordance with the commanders intent, orders from higher headquarters, and standard operating procedures.

Live Fire Required: No

Objective Task Evaluation Criteria Matrix:

Plan and Prepare			Execute						Assess	
Operational Environment			Training Environment (LV/C)	% of Leaders Present at Training/Authorized	% of Soldiers Present at	External Eval	% Performance Measures 'GO'	% Critical Performance Measures 'GO'	% Leader Performance Measures 'GO'	Task Assessment
BDE & Above										
Dynamic and Complex (All OE Variables and Hybrid Threat)	Night	IAW unit CATS statement.		>=85%	>=80%	Yes	>=91%	All	>=90%	T
				75-84%			80-90%		80-89%	T-
Dynamic and Complex (All OE Variables and Single Threat)	Day			65-74%	75-79%	No	65-79%	<All	<=79%	P
Dynamic and Complex (<All OE Variables and Single Threat)				60-64%	60-74%		51-64%			P-
				<=59%	<=59%		<=50%			U

Remarks: None

Notes: None

Safety Risk: Low

Task Statements

Cue: None

DANGER

Leaders have an inherent responsibility to conduct Risk Management to ensure the safety of all Soldiers and promote mission accomplishment.

WARNING

Risk Management is the Army's primary decision-making process to identify hazards, reduce risk, and prevent both accidental and tactical loss. All Soldiers have the responsibility to learn and understand the risks associated with this task.

CAUTION

Identifying hazards and controlling risks across the full spectrum of Army functions, operations, and activities is the responsibility of all Soldiers.

Performance Steps and Measures

NOTE: Assess task proficiency using the task evaluation criteria matrix.

NOTE: Asterisks (*) indicate leader steps; plus signs (+) indicate critical steps.

STEP/MEASURE	GO	NO-GO	N/A
1. The staff conducts the planning phase from an electronic warfare (EW) perspective by:	N/A	N/A	N/A
a. Updating running estimates.	N/A	N/A	N/A
b. Analyzing the commander's mission and intent from an EW perspective.	N/A	N/A	N/A
c. Identifying EW planning support requirements and developing support requests as needed.	N/A	N/A	N/A
d. Developing tasks, assumptions, information requirements, and target list.	N/A	N/A	N/A
e. Conducting intelligence preparation of the operational environment.	N/A	N/A	N/A
f. Developing EW effects on courses of action (COA).	N/A	N/A	N/A
g. Recommending adjustments to EW control measures and procedures.	N/A	N/A	N/A
h. Recommending adjustments to the Commander's Critical Information Requirements (CCIR).	N/A	N/A	N/A
i. Conducting EW force structure analysis to determine if sufficient resources are available to accomplish the identified EW tasks.	N/A	N/A	N/A
j. Preparing a prioritized COAs list.	N/A	N/A	N/A
k. Conducting an EW risk assessment.	N/A	N/A	N/A
l. Publishing EW appendices and tabs.	N/A	N/A	N/A
m. Facilitating the targeting process.	N/A	N/A	N/A
2. The staff prepare EW during the preparation phase by:	N/A	N/A	N/A
a. Confirming, revising, and refining the EW running estimate and EW tasks.	N/A	N/A	N/A
b. Coordinating rehearsals to synchronize EW support to the plan including:	N/A	N/A	N/A
(1) Integration into the targeting process.	N/A	N/A	N/A
(2) Initiation of requests for joint assets.	N/A	N/A	N/A
(3) De-confliction of EW processes.	N/A	N/A	N/A
c. Coordinating the collection plan and intelligence synchronization matrix with the attack guidance matrix and EW input to the Operations Order (OPORD) annexes and appendices.	N/A	N/A	N/A
d. Coordinating procedures with information collection elements.	N/A	N/A	N/A
e. Receiving brief-backs by subordinate EW cells and teams on planned EW operations.	N/A	N/A	N/A
3. The staff conducts EW during the execution phase by:	N/A	N/A	N/A
a. Maintaining the EW running estimate.	N/A	N/A	N/A
b. Monitoring EW operations and recommending adjustments during execution.	N/A	N/A	N/A
c. Recommending adjustments to CCIR and control measures based on the situation.	N/A	N/A	N/A
d. Maintaining direct liaison with other warfighting functions.	N/A	N/A	N/A
e. Coordinating and managing EW tasking to subordinate units/assets.	N/A	N/A	N/A
f. Maintaining participation in the target development process and recommending targets for attack by Electronic Attack (EA) assets.	N/A	N/A	N/A
g. Processing subordinate's immediate support requests for EW from joint or multinational forces.	N/A	N/A	N/A
h. Coordinating with airspace element on all suppression of enemy air defenses missions.	N/A	N/A	N/A
i. Maintaining, updating, and distributing the status of EW assets.	N/A	N/A	N/A
j. Validating and disseminating cease jamming requests.	N/A	N/A	N/A
k. Coordinating and expediting Joint Spectrum Interference Resolution (JISR) reports with the Analysis and Control Element (ACE) for potential targeting and the spectrum manager for potential deconfliction.	N/A	N/A	N/A
4. The staff conducts the assessment phase by:	N/A	N/A	N/A
a. Evaluating the enemy's reactions and vulnerabilities.	N/A	N/A	N/A
b. Providing continuous monitoring for progress of the operations towards the commander's desired end state.	N/A	N/A	N/A
c. Providing input to the assessment team on effectiveness of EA missions.	N/A	N/A	N/A
d. Evaluating the operation against measures of effectiveness and measures of performance.	N/A	N/A	N/A

TASK PERFORMANCE / EVALUATION SUMMARY BLOCK							
ITERATION	1	2	3	4	5	M	TOTAL
TOTAL PERFORMANCE MEASURES EVALUATED							
TOTAL PERFORMANCE MEASURES GO							
TRAINING STATUS GO/NO-GO							

ITERATION:	1	2	3	4	5	M
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COMMANDER/LEADER ASSESSMENT:**T P U****Mission(s) supported:** None**MOPP 4:** Sometimes**MOPP 4 Statement:** None**NVG:** Never**NVG Statement:** None**Prerequisite Collective Task(s):**

Step Number	Task Number	Title	Proponent	Status
	71-8-5111	Conduct the Military Decisionmaking Process (Battalion - Corps)	71 - Combined Arms (Collective)	Approved
	71-8-5144	Develop Running Estimates (Battalion - Corps)	71 - Combined Arms (Collective)	Approved

Supporting Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
	71-8-3502	Assess Electronic Warfare Operations (Brigade - Corps)	71 - Combined Arms (Collective)	Approved
	71-8-3510	Plan for a Electronic Attack (Brigade - Corps)	71 - Combined Arms (Collective)	Approved

OPFOR Task(s): None**Supporting Individual Task(s):**

Step Number	Task Number	Title	Proponent	Status
	150-029-0001	Validate Joint Tactical Air Request (JTAR) and Electronic Attack Request Form (EARF)	150 - Combined Arms (Individual)	Approved
	150-029-0002	Prioritize Joint Tactical Air Request (JTAR) and Electronic Attack Request Form (EARF)	150 - Combined Arms (Individual)	Approved
	150-029-0003	Coordinate Division and Above Electronic Warfare Efforts within Electronic Warfare Working Groups (EWWG)	150 - Combined Arms (Individual)	Approved
	150-029-0004	Assist in the Development of Division and Above Electronic Warfare Target List	150 - Combined Arms (Individual)	Approved
	150-029-0005	Assist in the Management of Electronic Warfare Assets	150 - Combined Arms (Individual)	Approved
	150-029-0006	Revise Electronic Warfare Standing Operating Procedures (SOPs)	150 - Combined Arms (Individual)	Approved
	150-029-0007	Produce Electronic Warfare Products in Support of the Military Decision Making Process (MDMP)	150 - Combined Arms (Individual)	Approved
	150-029-0014	Establish Electronic Warfare Training Plan	150 - Combined Arms (Individual)	Approved
	150-029-0017	Advise Command on the Electronic Warfare Training Program	150 - Combined Arms (Individual)	Approved
	150-029-0018	Participate in Army Electronic Warfare Training Development	150 - Combined Arms (Individual)	Approved
	150-029-0019	Coordinate Joint Electronic Warfare Staff Efforts	150 - Combined Arms (Individual)	Approved
	150-029-0022	Perform Electronic Warfare Knowledge Management	150 - Combined Arms (Individual)	Approved
	150-029-0023	Perform Administrative Actions	150 - Combined Arms (Individual)	Approved
	150-029-0030	Administer the Electronic Warfare (EW) Maintenance Program	150 - Combined Arms (Individual)	Approved
	150-029-0031	Determine Intelligence Requirements for Electronic Warfare (EW)	150 - Combined Arms (Individual)	Approved
	150-029-0032	Coordinate Electronic Warfare (EW) Efforts within the Electronic Warfare Working Group (EWWG)	150 - Combined Arms (Individual)	Approved
	150-029-0033	Develop Electronic Warfare (EW) Target List	150 - Combined Arms (Individual)	Approved
	150-029-0034	Determine Electronic Warfare (EW) Assets	150 - Combined Arms (Individual)	Approved
	150-029-0037	Prepare Electronic Warfare (EW) Input to Operations Plans and Orders	150 - Combined Arms (Individual)	Approved
	150-029-0038	Prepare Electronic Warfare (EW) Input for Unit Standard Operating Procedures (SOP's)	150 - Combined Arms (Individual)	Approved
	150-029-0042	Coordinate the Employment of Assigned Electronic Warfare (EW) Systems	150 - Combined Arms (Individual)	Approved
	150-029-0044	Operate Test and Measurement Equipment	150 - Combined Arms (Individual)	Approved
	150-029-0046	Implement Electronic Warfare (EW) Training Program	150 - Combined Arms (Individual)	Approved
	150-029-0047	Manage Electronic Warfare (EW) Equipment Employment	150 - Combined Arms (Individual)	Approved
	150-029-5001	Report Electromagnetic Spectrum Interference	150 - Combined Arms (Individual)	Approved
	150-290-0001	Determine Intelligence Requirements for Electronic Warfare (EW)	150 - Combined Arms (Individual)	Approved
	150-290-0002	Determine Electronic Warfare (EW) Targets	150 - Combined Arms (Individual)	Approved
	150-290-0003	Coordinate Electronic Warfare (EW) Assets	150 - Combined Arms (Individual)	Approved
	150-290-0004	Integrate Electronic Warfare (EW) Data into the Targeting Products	150 - Combined Arms (Individual)	Approved
	150-290-0005	Coordinate Electronic Warfare (EW) with Stakeholders	150 - Combined Arms (Individual)	Approved
	150-290-0006	Advise Commanders on Capabilities and Employment of Electronic Warfare (EW) Assets	150 - Combined Arms (Individual)	Approved
	150-290-0007	Prioritize Joint Tactical Air Request (JTAR) and Electronic Warfare Electronic Attack Request Form (EARF)	150 - Combined Arms (Individual)	Approved
	150-290-0008	Integrate Electronic Warfare (EW) Input to the Joint Intelligence Preparation of the Operational Environment (JIPOE) Process	150 - Combined Arms (Individual)	Approved
	150-290-0009	Monitor Electromagnetic Spectrum (EMS) for Indications, Threat, and Warnings for Immediate Threat Recognition and Targeting	150 - Combined Arms (Individual)	Approved
	150-290-0011	Integrate Electronic Attack (EA) Assets	150 - Combined Arms (Individual)	Approved
	150-290-0012	Integrate Electronic Warfare Support (ES) Assets	150 - Combined Arms (Individual)	Approved
	150-290-0013	Integrate Special Purpose Electronic Attack (SPEA) Assets	150 - Combined Arms (Individual)	Approved
	150-290-0014	Integrate Space Operations	150 - Combined Arms (Individual)	Approved
	150-290-0015	Manage Cyber Electromagnetic (CEM) Working Group Outputs	150 - Combined Arms (Individual)	Approved
	150-290-0020	Manage Electronic Warfare (EW) Assets	150 - Combined Arms (Individual)	Approved

	150-290-0030	Determine Intelligence Requirements for Electronic Warfare (EW)	150 - Combined Arms (Individual)	Approved
	150-290-0031	Determine Electronic Warfare (EW) Assets	150 - Combined Arms (Individual)	Approved
	150-290-0032	Develop Electronic Warfare (EW) Input into Targeting Products	150 - Combined Arms (Individual)	Approved
	150-290-0033	Develop a Joint Tactical Air Request (JTAR) / Electronic Attack Request Form (EARF)	150 - Combined Arms (Individual)	Approved
	150-290-0034	Coordinate Electronic Warfare (EW) with Stakeholders	150 - Combined Arms (Individual)	Approved
	150-290-0035	Advise the Commander on the Employment of Electronic Warfare (EW) Assets	150 - Combined Arms (Individual)	Approved
	150-290-0036	Develop Electronic Warfare (EW) Assessment Criteria	150 - Combined Arms (Individual)	Approved
	150-290-0037	Conduct the Electronic Warfare Working Group (EWWG)	150 - Combined Arms (Individual)	Approved
	150-290-0038	Monitor Electronic Warfare (EW) Activities	150 - Combined Arms (Individual)	Approved
	150-290-0040	Coordinate Electronic Warfare (EW) Effects	150 - Combined Arms (Individual)	Approved
	150-290-0041	Conduct Electronic Warfare (EW) Control Authority	150 - Combined Arms (Individual)	Approved
	150-290-0046	Manage Electronic Warfare (EW) Assets	150 - Combined Arms (Individual)	Approved
	150-290-0047	Conduct Survey of Electromagnetic Operational Environment (EMOE)	150 - Combined Arms (Individual)	Approved
	150-290-0048	Facilitate Electronic Warfare (EW) Equipment Maintenance Program	150 - Combined Arms (Individual)	Approved
	150-290-0049	Manage Electronic Warfare (EW) Training Program	150 - Combined Arms (Individual)	Approved
	150-290-0050	Update Electronic Warfare (EW) Input to Operations Order	150 - Combined Arms (Individual)	Approved
	150-29A-0001	Produce Electronic Warfare (EW) Products	150 - Combined Arms (Individual)	Approved
	150-29A-0002	Develop Electronic Warfare (EW) Input to Intelligence Preparation of the Battlefield	150 - Combined Arms (Individual)	Approved
	150-29A-0003	Integrate Electronic Warfare (EW) into the Targeting Process	150 - Combined Arms (Individual)	Approved
	150-29A-0004	Establish Electronic Warfare (EW) Assessment Criteria	150 - Combined Arms (Individual)	Approved
	150-29A-0006	Deconflict Electronic Warfare (EW) Effects	150 - Combined Arms (Individual)	Approved
	150-29A-0007	Brief Commander and/or Staff on Employment of Electronic Warfare (EW)	150 - Combined Arms (Individual)	Approved
	150-COM-6001	Integrate CREW Systems	150 - Combined Arms (Individual)	Approved
	150-COM-6002	Manage CREW Systems	150 - Combined Arms (Individual)	Approved
	150-MC-2210	Provide Input for Intelligence Preparation of the Battlefield	150 - Combined Arms (Individual)	Approved
	150-MC-2300	Perform Information Collection	150 - Combined Arms (Individual)	Approved
	150-MC-5111	Conduct the Military Decisionmaking Process	150 - Combined Arms (Individual)	Approved
	150-MC-5118	Prepare an Annex	150 - Combined Arms (Individual)	Approved
	150-MC-5131	Assist the Commander in Executing Operations	150 - Combined Arms (Individual)	Approved
	150-MC-5250	Employ a Mission Command Information System	150 - Combined Arms (Individual)	Approved
	150-MC-5315	Establish the Common Operational Picture	150 - Combined Arms (Individual)	Approved
	150-MC-6111	Employ Operations Security Measures	150 - Combined Arms (Individual)	Approved
	150-MC-7647	Conduct Social Network Analysis	150 - Combined Arms (Individual)	Approved

Supporting Drill(s): None

Supported AUTL/UJTL Task(s):

Task ID	Title
ART 3.0	The Fires Warfighting Function
ART 3.1	Integrate Fires
ART 5.3.1 - INVALID	INVALID - Facilitate Situational Understanding Through Knowledge Management (INVALID)
ART 7.0	Tactical Mission Tasks and Military Operations
ART 5.9.3	Conduct Electromagnetic Spectrum Operations

TADSS

TADSS ID	Title	Product Type	Quantity
No TADSS specified			

Equipment (LIN)

LIN	Nomenclature	Qty
No equipment specified		

Materiel Items (NSN)

NSN	LIN	Title	Qty
No materiel items specified			

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to the current Environmental Considerations manual and the current GTA Environmental-related Risk Assessment card. .

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. .